

ECS Configuration Change Request

Page 1 of 1 Page(s)

1. Originator Randy Miller	2. Log Date: 9-17-98	3. CCR #: 98-1014	4. Rev: —	5. Tel: x3460	6. Off: 2078	7. Org. Dev. CC
8. Title of Change: Deliver Beta Patch for 4PX to SMC						
9. Originator Signature <i>Randy Miller</i>	10. Date: 9/17/98	11. Class	12. Type: CCR	13. Need Date: 9/18/98		
14. Office Manager Signature <i>Randy Miller</i>	15. Date: 9/18/98	16. Date CCB Decision Needed: 9/18/98	17. Category of Change: Update Baseline	18. Priority: Emergency		
19. Documentation/Drawings Impacted: VDC for 4PX		20. Schedule Impact: None	21. CI(s) Affected: All			
22. Release Affected: 4PX	23. Date due to Customer: 9/18/98	24. Impl. Date: 9/18/98	25. Effectivity of Change: 9/18/98	26. Est. Cost: None		
27. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> GSFC CCR <input type="checkbox"/> Tech Ref. <input type="checkbox"/> Other: See attached list.						
28. Description of Change: (use additional Sheets if necessary) Numerous fixes are available for 4PX NCRs						
29. Proposed Solution: (use additional sheets if necessary) Merge fixes to the 4PX Maintenance Branch, build branch, execute makedeliver to perform a full system delivery on all three platforms, and send resulting tar files to the SMC for delivery to the VATC and Mini-DAAC.						
30. Alternate Solution: (use additional sheets if necessary) Do not patch 4PX.						
31. Consequences if Change(s) are not approved: (use additional sheets if necessary) Inability to execute certain SV, AT, and ETE tests.						
32. Does Change Affect Any of the following (Please Explain on additional sheet): <input type="checkbox"/> Maintenance Training <input type="checkbox"/> Performance <input type="checkbox"/> Operation Training <input type="checkbox"/> Safety <input type="checkbox"/> Service <input type="checkbox"/> Support <input type="checkbox"/> Test <input type="checkbox"/> Baseline (XRP) <input type="checkbox"/> Y2K Compliance						
33. Organization(s) Affected: <input type="checkbox"/> CM <input type="checkbox"/> Clearance SC <input type="checkbox"/> Contracts <input type="checkbox"/> Chief Eng <input type="checkbox"/> FOS <input type="checkbox"/> V&T <input type="checkbox"/> OO <input type="checkbox"/> Rel Dev <input type="checkbox"/> Procurement <input type="checkbox"/> IRISC <input type="checkbox"/> Sci. Data Eng <input type="checkbox"/> Security <input type="checkbox"/> Sys. Dev. <input type="checkbox"/> Sys. Eng. <input type="checkbox"/> Sys. Ver. Acpt <input type="checkbox"/> Other						
34. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> Mini DAAC <input checked="" type="checkbox"/> VATC <input type="checkbox"/> IDC <input type="checkbox"/> GSFC <input type="checkbox"/> IgRC <input type="checkbox"/> NS/DC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JF <input type="checkbox"/> EOC <input type="checkbox"/> Other						
35. Board Comments:				36. Work Assigned To:		
37. Release Authorized (For CM Use Only): <input type="checkbox"/> Yes <input type="checkbox"/> No			38. CM Verified/Signature and Date			
39. EDF/REL2 CCB Chair (Sign/Date): <i>TW/Chris 9/18/98</i>		40. Disposition: <input checked="" type="checkbox"/> App <input type="checkbox"/> Ap/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/> Fwd/ECS <input type="checkbox"/> Fwd/ESDIS ERB		41. ESDIS ERB Concurrence:		
42. ECS CCB/Chair (Sign/Date):		43. Disposition: App <input type="checkbox"/> A/C <input type="checkbox"/> DisApproved <input type="checkbox"/> Withdraw <input type="checkbox"/>		44. CCR Closed Date:		

CM01 August 27, 1998

ORIGINAL

TRW/CM

ECS 9/27/98 1:22

4PX Patch "Beta"

Purpose

The Beta patch provides fixes for 46 functional defects in the 4PX delivery.

NCRs Fixed

Please see the attached spreadsheet for the list of NCRs fixed in the Beta patch.

Nature of Fix

Fixes in the Beta patch were generally implemented through changes in the compiled code (executables, libraries, and DLLs). Some changes required changes in database schema, stored procedures, and data. Please refer to the Resolution statements in the referenced NCRs (attached) for a detailed description of the fix for each NCR.

The Beta patch is to be installed as a refresh of binaries, without the execution of any configuration changes, except as noted below in the Installation Instructions.

Installation Instructions

The following instructions describe the installation of the Beta patch into a mode containing the 4PX/Alpha version of ECS. For complete installation of 4PX using the Beta patch into a mode containing 4P Landsat, please follow the 4PX installation instructions.

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

General Instructions. These instructions are to be followed for all subsystems, **except as noted below** under Subsystem Specific Instructions:

- 1) Download and stage the files for the 4PX Beta delivery from the SMC.
- 2) DO NOT perform any clean-up activities (data, databases, CDS entries, et cetera).
- 3) DO Install ECS Assist from the staging directory using the setup script (see specific instructions below under "ECS Assist").
- 4) Using ECS Assist, install all executables, libraries, and DLLs to their target machines. DO perform an installation to SHARED Mode *for HPs only*. DO NOT perform a Toolkit installation.

ORIGINAL

5) DO NOT perform any mkconfigs using ECS Assist -- no changes in configuration are required by the patch.

6) DO NOT perform any dbconfigs using ECS Assist -- no changes in database configurations are required by the patch.

7) DO re-install ESDTs modified by the patch if they are used by the site installing the patch (see list below under "ESDTs").

Subsystem Specific Instructions.

ECS Assist:

While executing the setup script, the operator will be prompted with the question "Update ECS Assist Common Files?" The operator should answer yes.

All files related to ECS Assist will be copied to the /tools/common/ea directory. EcCoCdsMgr and EcCoEpMgr will also be copied. These two files have dependencies on the platform architecture; therefore the operator should log on to an SGI box, change the directory to <STAGING AREA FOR SGI>/.common/bin and copy EcCo* to /tools/bin to obtain the correct architecture. This step must be repeated for HP and Sun.

DPS:

Edit the configuration file "/usr/ecs/<MODE>/CUSTOM/cfg/EcDpPrJobMgmt.CFG " to include the new parameter " DpPrAutoSysInstances ", with one or more of the following values: "AS2" (EDF), "TAL" (Mini-DAAC), "ILL" (Mini-DAAC Stability Lab), "VAT" (VATC), or "FMR" (GSFC).

This parameter can take multiple values; the multiple values are separated by blanks (no commas or other field separators are allowed). For instance, in the EDF if both instances of Autosys are used, the configuration parameter would be "AS1 AS2". If multiple values for DpPrAutoSysInstances are used you must make sure that you also use multiple values for DpPrAutoSysMaxJobs and DpPrAutoSysLoadThreshold.

Ingest:

Edit the configuration file "EcInFtp.CFG" to change the parameter "ftp-cmd" from "ftp -n" to "/usr/bsd/ftp -n".

To update the Ingest database, go to the SGI installation staging directory and follow the instructions in the file "EcInDbReadMe.txt".

Storage Management:

ORIGINAL

To update the Storage Management database, go to the SGI installation staging directory and follow the instructions in the file "EcDsStDbReadMe.txt".

DMS:

Three new parameters have been added to the EcDmVoToEcsGateway configuration parameters file:

ContactName - contact name for addressing user's questions concerning Acquires. This should most likely be something like "User Services" and not an individual's name.

Organization - organization name. This should be something similar to "GSFC DAAC".

Address - street address.

While it is possible to edit the ".CFG" file for the gateway to add these parameters, **it is recommended that mkconfig be run for EcDmVoToEcsGateway (only)** instead, so that other contact configuration parameters can be modified to be DAAC specific. The configurable parameters within the EcDmV0ToEcsGateway include parameters that provide connectivity and data visibility to the V0 clients. These parameters are the DataCenterId, GatewayPort, and InfoMgrName. The DataCenterId value is the name that will be sent back to the V0 Clients in the Result messages. This name must match the name that is exported as part of the valids sent to the V0 personnel for processing. The current values are similar to ECS-GSFC, ECS-LARC, and ECS-EDC. The GatewayPort parameter is the port number that the gateway monitors for connection requests from the V0 clients. The InfoMgrName value defines the information manager name that the gateway uses when querying the data dictionary database. This provides a way for the gateway to have visibility to only those collections that are associated with this specific information manager.

The configurable parameters within the EcDmV0ToEcsGateway include parameters related to contact information that is returned to the users in reference to submitted orders (Acquires). These parameters are ContactName, Organization, Address, City, State, Zip, Country, Phone, Fax, and Email. These parameters are sent back to the user if no values are received from the SDSRV pertaining to the items ordered. Entries in these fields are required and need to be set to DAAC specific values. Although defaults are provided, installation personnel need to set these parameters to the appropriate values. The ContactName should not be set to a specific individual, but should be something similar to "User Services". The Organization should be set to something similar to " dddd DAAC" where dddd is the relevant DAAC name. The Email parameter should be set to a group email address such as user_services@gsfc.nasa.gov. The remaining contact parameters are self explanatory.

ESDTs:

ORIGINAL

The following ESDTs have been modified in this delivery and must be reinstalled (using the 4PX Installation Instructions for installing ESDTs) if they are used by the site receiving the installation:

MOD021KM
MOD28QC
MOD02HKM
MODOCL2
MOD02OBC
MODOCL2A
MOD02QKM
MODOCL2B
MODOCQC
MOD28L2

MB2LME
MB2LMT
MI1B2E
MI1B2T
MI3GA16D
MI3GAAN
MI3GAMON
MI3GASEA
MI3GC16D
MI3GCAN
MI3GCMON
MI3GCSEA
MI3GR16D
MI3GRAN
MI3GRMON
MI3GRSEA
MI3GS16D
MI3GSAN
MI3GSMON
MI3GSSEA
MIANCAGP
MIB2GEOP
MIL1A
MIL2ASAE
MIL2ASLS
MIL2ASOS
MIL2TCAL
MIL2TCCL
MIL2TCST

ORIGINAL

MIRCCM

ORIGINAL